



Learning Management System Fielding Overview for Senior Leaders

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COL Sharon Holmes, Project Manager, Distributed Learning System

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Agenda



- ➔ **The Army Distributed Learning Program (TADLP) Overview**
- ➔ **Army Learning Management System (ALMS)**
- ➔ **Upcoming Events**
- ➔ **MOA**
- ➔ **Leave Behinds**



Senior Leader Visit Purpose



- ➔ **Overview of TADLP.**
- ➔ **Introduction of the Army LMS functions, capabilities, and benefits.**
- ➔ **Overview of the required fielding efforts.**
- ➔ **Identification of all personnel scheduled for ALMS training at this location.**
- ➔ **Address the scope of a Memorandum of Agreement (MOA) used to document the Fielding tasks.**



Army DL Goals



➔ Train to One Standard

- Improve ability to train service members and supporting civilian workers in all Army components to a Single Army Standard.

➔ Reduce Costs

- Reduce training delivery support costs.

➔ Improve Morale

- Improve service member morale by allowing members to obtain required training without leaving their home station.

➔ Improve Training Efficiency

- Improve training efficiency since instructors train more students in a shorter period of time.

➔ Improve Unit Readiness

- Reduce personnel turbulence resulting from long term absence for resident training thus improving unit readiness.





Why DL for the Army?



“ Distributed Learning gives us the best of the best, because it links virtual with live training, and provides an important means of taking training and education to Soldiers and units anywhere, anytime.”

**General Kevin P. Byrnes
Commanding General,
US Army Training and Doctrine Command**





Army Distributed Learning



Mission:

“To improve readiness by the delivery of standardized individual, collective, and self-development training to soldiers and units any time and any place through the application of multiple means and technologies.”



1996

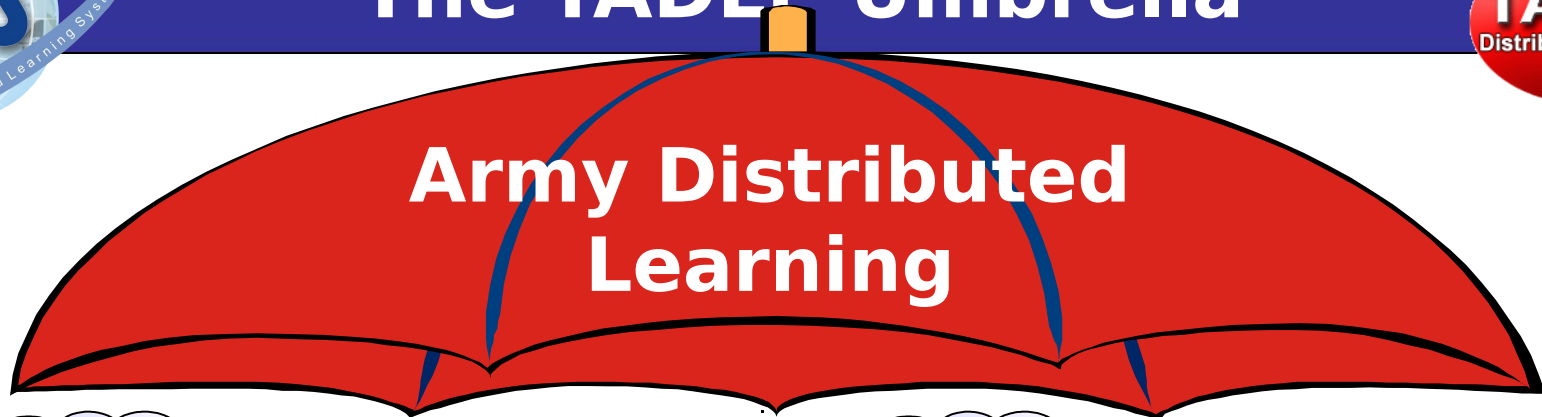
Supports Army Transformation Efforts



2010



The TADLP Umbrella



Army Distributed Learning

**TPIO
TADLP**

PM DLS

ATSC

**Classroom
XXI**

**DL
Courseware**

**Army Training
Information
System**

**Digital Training
Facilities**

**Deployed
Digital Training
Campus**

**ARNG
DTP**

**Battle
Command
Knowledge
System**

BCT/OSUT

**Army e-
learning**

**Learning
Management
System**

**Lifelong
Learning
Centers**

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TADLP Courseware Status



Where we were:
FY98-05 CW funding \$180.8M

Where we will be:
FY06-11 \$289M POM

Courseware

- 525 Redesigned courses by FY2010
- TRADOC FY05 redesign priorities:
 - Contemporary Operating Environment/ Global War on Terror (COE/GWOT)
 - Duty MOS Qualified (DMOSQ) / SL 10 Reclass (USARC/NGB/ARMY)
- Professional Military Education
 - Basic NCO Courses
 - Advanced NCO Courses
 - Warrant Officer Education System
 - Officer Education System
- Functional Courses

Maintenance Strategy

- Focus:
 - Content
 - Technical Aspects
- Options:
 - Modify Existing Contract
 - Establish New Contract



Professional Military Education Success Story



➔ Issue:

- Professional Military Education backlog amongst Non-Commissioned Officers due to on-going operational deployments in the Middle East.

➔ Solution:

- Video Tele-training has provided 6,200 graduates to date.
- Basic Non-Commissioned Officer Course, Common Core training, Battle Staff, Medical Certification, First Sergeants Course, Language refresher, and Combat Engineer (IED).
- Between July 04 and April 05 approximately 13,000 soldiers will be scheduled for Professional Military Education via Video-Tele-training.
 - 3000 Soldiers in Europe
 - 1700 Soldiers in Korea
 - 8000 Soldiers in CONUS

Deployed Digital Training Campus (DDTC)



DDTC Deployments: Germany; Bosnia; Kosovo; Sinai

“Go anywhere”

- Low weight and compact.
- Rapid setup & use in austere conditions.
- Fully integrated & available now.



**Portable
in 1
HMMWV!**



- Meets the immediate need for mobile, adaptable, high capacity secure wireless and satellite communications.
- High bandwidth, deliver any content, anywhere, any time.
- Networked with reach back capability.
- Plan, rehearse, and execute.
- Stryker BDE train-up for Iraq deployment.
- Increment 4 of PM DLS acquisition strategy.

Satellite link connects remote sites with any VTT or VTC system globally. DDTC is virtually unlimited in connecting to any other communication technology systems.



DDTC Vision



- ➔ **Provide on demand/call forward capability.**
- ➔ **PM DLS scheduled to begin fielding systems in FY07.**
- ➔ **Provide “embedded” individual, collective, collaborative, and simulations based training capability.**
 - Force XXI Battle Command Battalion/Brigade and Below (FBCB2) Training.
 - Two-way interactive VTT using voice over IP.
 - Access to all DL based classrooms.
- ➔ **Provide full spectrum connectivity (terrestrial, satellite, and wireless).**
- ➔ **Provide NSA approved secure communications capability.**
- ➔ **Highly mobile (HMMWV), small footprint, one soldier 1 hour max set-up time.**



Classroom XXI



- ➔ **Classroom XXI modernizes TRADOC resident classrooms to transmit (push) and deliver DL anytime, anywhere from proponent schoolhouses.**
- ➔ **270 high-tech classrooms scheduled thru FY14.**
- ➔ **Current CRXXI classroom fielding status:**
 - 54 classrooms fielded (FY98-04).
 - 18 classrooms in progress (FY05).
- ➔ **TRADOC is inserting Classroom XXI technology into 110 high tech classrooms in 5 new Basic Combat Training/ One Station Unit Training barracks complexes.**





Lifelong Learning Center (LLC) Initiative



➔ **LLC is the digital hub of the Army's lifelong learning process where standardized proponent content is developed, stored and delivered to Soldiers (AC/RC) and DA civilians, using cost effective mix of new information technologies and education methods.**

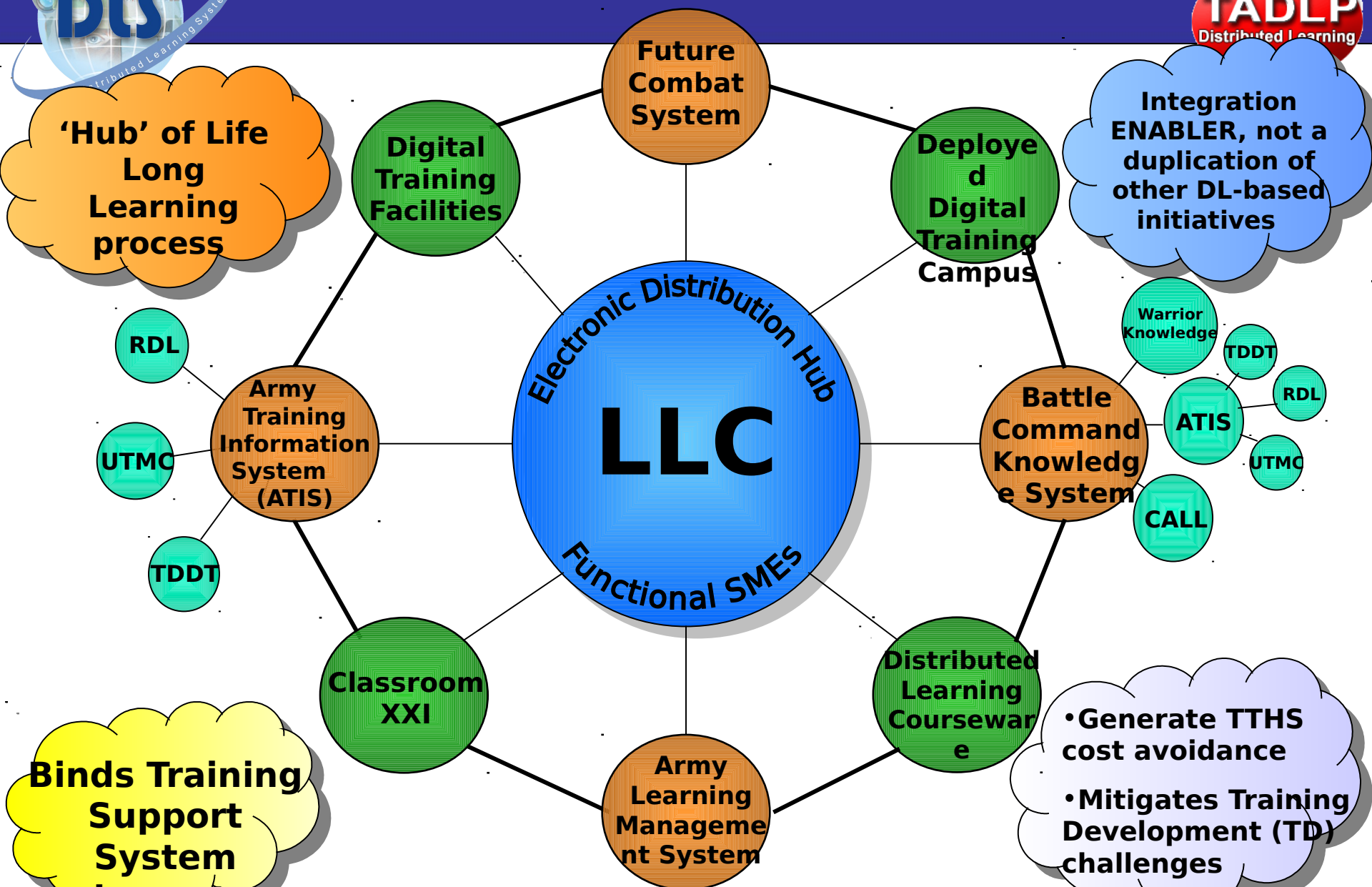
➔ **Key enabler for:**

- Strategic Plan for Transforming DOD Training.
- CSA Leader Development & Education Focus Areas.
- CSA Army Training & Leader Development Plan (ATDLP) imperatives.
- AOT Initiative.

➔ **LLC is integrally linked to Future Combat System, Battle Command Knowledge System, The Army Distributed Learning Program, Army Training Information System, Reimer Digital Library, and the Joint Training System.**



The LLC Model



'Hub' of Life Long Learning process

Integration ENABLER, not a duplication of other DL-based initiatives

Binds Training Support System elements

- Generate TTHS cost avoidance
- Mitigates Training Development (TD) challenges

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Army Training Information System Infrastructure



SOLDIER TRAINING HOMEPAGE



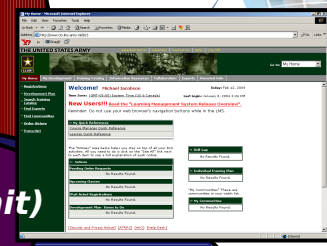
- ✓ Single access point through AKO
- ✓ RDL
- ✓ Multiple user access enablers

TRAINING DELIVERY

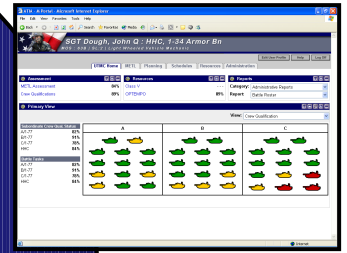
Digital Tech Trng Program
Digital Training Facility
Deployed Digital Training Campus



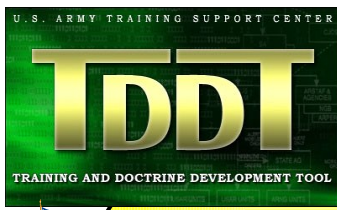
LEARNING MANAGEMENT SYSTEM



UNIT TRAINING MNGT CONFIGURATION



TRAINING AND DOCTRINE DEVELOPMENT TOOLKIT



TRAINING DATA & COURSEWARE

Soldier Data (Institutional/Unit) Training Data

ATIS Common Data Access

DA LEVEL MNGT
PEOPLE
FACILITIES
AMMO

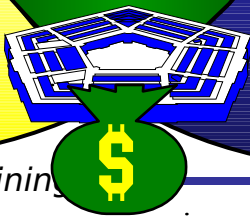
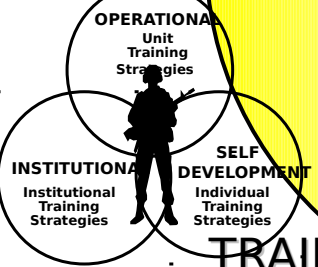
- ✓ Resident/Non-Resident Training Management
- ✓ Unit Training Manager
- ✓ METL Development
- ✓ Capabilities based training planning

TRAINING MANAGEMENT



- ✓ Doctrine
- ✓ Individual Tasks
- ✓ Collective Tasks
- ✓ Individual TSPs
- ✓ Combined Arms Training Strategies
- ✓ POIs
- ✓ DL Courseware

TRAINING/DOCTRINE DEVELOPMENT



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Distributed Learning System



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DLS Components



- ➔ **DLS is the Army's technology enterprise project for delivering and managing distributed learning to Soldiers and civilians around the globe.**
- ➔ **The system includes:**
 - **274 Digital Training Facilities (DTFs)** – for AC and USAR worldwide.
 - **Army Learning Management System (ALMS)** – delivers training products and provides training management functions via the web.
 - **Enterprise Management Center (EMC)** – provides connectivity and technical support to users.
 - **Deployed Digital Training Campus (DDTC)** – provides training access for troops that are deployed.
 - **E-Learning** – Provides commercial information technology training to the Army workforce.

...providing the capability to train Soldiers at the right time and place.



Mission/System Description



“Acquire, deploy and maintain worldwide distributed learning to ensure American Soldier's receive critical training for mission success”

Characteristics/Descriptions

- Readiness-based training priorities.
- Global networked training environment.
- Students trained at home station.
- Technology based Digital Training Facilities.
- Automates Student Management functions.

Capability/Improvements

- Leverages technology to increase training effectiveness and efficiencies.
- Improved readiness.
- Increased training opportunities.

Special Features

- Multimedia courseware.
- Collaborative training opportunities.
- Consistent with DoD, Army & Commercial Standards.
- Trains all components to Army Standards.
- Moves away from traditional resident service school.
- Leverages COTS/GOTS products.

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Digital Training Facilities (DTFs)



➔ **274 DTFs fielded for AC and USAR worldwide.**

➔ **Major components include:**

- 12-16 Student Workstations.
- Microsoft Office Software.
- Room-based Video Suite.
- All Hardware/Software COTS.

➔ **Major functions include:**

- Provides student access to information technology resources for training.
- Provides access to web-based and VTT training.
- Initiates Culture Shift to DL Training.

Video Tele-training (VTT)

Equip



12/16 Student Workstations



Fielded DTFs World-Wide



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➔ IMI (CBT)

- Aircrew Coordination Training
- ANCOC
- BNCOC
- Operational Security

➔ Web-based

- HAZMAT
- Global Transportation Network
- Safety Course
- Combat Lifesaver
- Armor Captains Career Course Phase 1
- First Sergeants Course

➔ VTT

- ANCOC
- BNCOC
- ANCOC & BNCOC Chief Instructor
- First Sergeants Course
- Medical CMF 91K & 91V Training
- Trauma & Airway Management Training
- Battle Staff NCO Course
- Global Transportation Network
- Medical Training Coordinator
- Casualty Assistance Office Training



Deployed Digital Training Campuses (DDTCCs)



- ➔ **FY04 defining functional requirements with TRADOC.**
- ➔ **FY05 market investigation and contract award.**
- ➔ **FY06 prototyping and DT/OT.**
- ➔ **FY07 Full Rate Production decision and initiate fielding.**

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A large, faded version of the DLS logo is centered in the background of the slide. It consists of a globe with 'DLS' in the center and a swoosh at the bottom containing the text 'Distributed Learning System'.

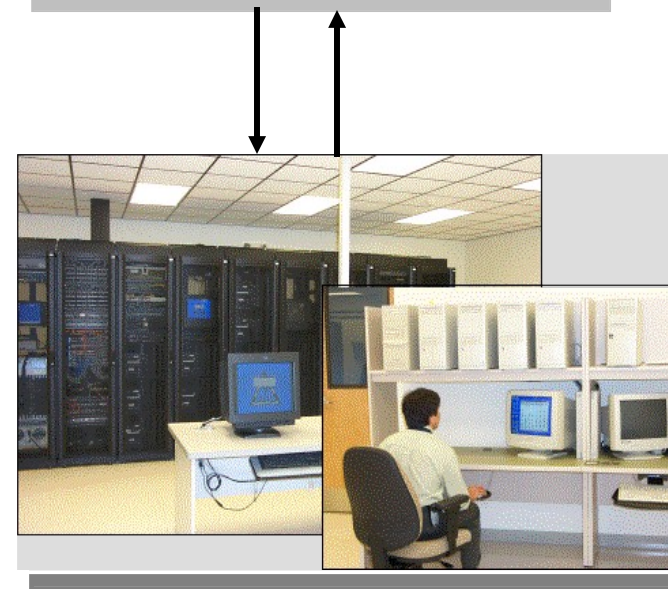
Army Learning Management System (ALMS)

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- ➔ **ALMS is located at the Enterprise Management Center at Fort Eustis, VA.**
- ➔ **Major components include:**
 - Specialized servers and storage devices.
 - Training management application software.
 - Saba Learning v.3.4, Vitria v.3.1, CISCO content delivery.
 - Sun v.5.8 OS, Oracle Database 9I.
 - All products are COTS.
- ➔ **Major functions include:**
 - Centralized training management functions for the Army.
 - One-stop course catalog, reservation, registration.
 - Delivery and local storage of training content.





ALMS Major Functions



ALMS represents 11 major training management functions

ATRRS

Training Management

Course Catalog

Product Catalog

Course Scheduling

Registration

AKO

Resource & Event Scheduling

Learning Experience

Testing	Training Delivery
Evaluation	Collaboration

Product Distribution



ALMS Support of Resident Training



➔ Army LMS Provides:

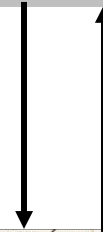
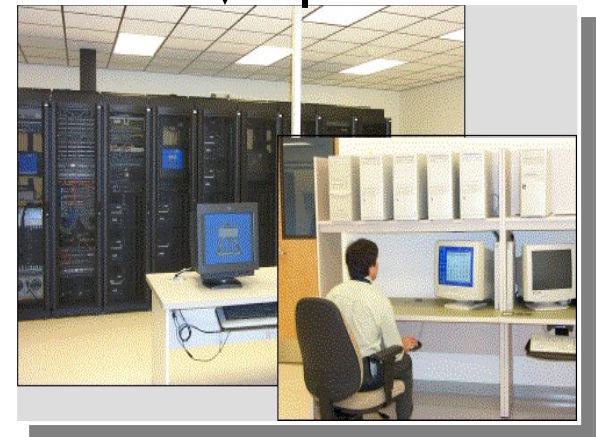
- Student identification and authorization via AKO interface.
- Training resource management for facilities, equipment, and supplies.
- By-hour, by-seat scheduling.
- Automated attendance and grading; automatic lesson-level progress and completion reporting.
- Personal training recordkeeping from registration to transcripts.
- Full suite of training access and security tools.
- Posting of official training records to ATRRS via interface.
- Soldier and civilian MOS/Career Field progress monitoring to the Skill (Task) level.
- Lesson-level synchronous and asynchronous collaboration among students, faculty, and SMEs.
- Test and critique analysis at the question level.



The LMS Enables



- ➔ **Soldiers to take DL training and manage their training records.**
- ➔ **Civilians to take HQDA directed training (e.g., POSH).**
- ➔ **Operational unit leaders and training NCOs to assess individual and unit training readiness.**
- ➔ **Training Managers to schedule and commit training resources.**
- ➔ **Training Developers to assess course quality.**





TRADOC Memo, 30 AUG 04



“The **Army LMS** will be the Army’s automated system for individual training management and **will replace the ILMS**, and ultimately **all other** TRADOC school/center hosted LMSs.”

“Schools are **required to use the Army LMS** when it is **deemed operational** by TRADOC DCSOPS&T at their location.”





Scope of ALMS Fielding & Training Effort



➔ **Gaining Organization:**

- **Fort Jackson** Center and schools.
- Other training institutions (e.g., NCO academy).
- Major tenant organizations (e.g., TASS BNs, FORSCOM units).

➔ **Training Effort:**

- ALMS is web-based.
- Fielding = training/data population.

➔ **Target Personnel:**

- Managers and supervisors (training support).
- Training cadre: ALMS users (training).
- Training equipment and expendable resource managers (training).



Appointments to be made after Site Survey

➔ Faculty Roles:

- Instructor
- Assistant Instructor
- Subject Matter Expert
- Facilitator

➔ Scheduler

➔ Class Manager

➔ Course Manager

➔ Learner (default role)

➔ Resource Roles

- Classroom Manager
- Facility Manager
- DTF Manager
- Product Distributor

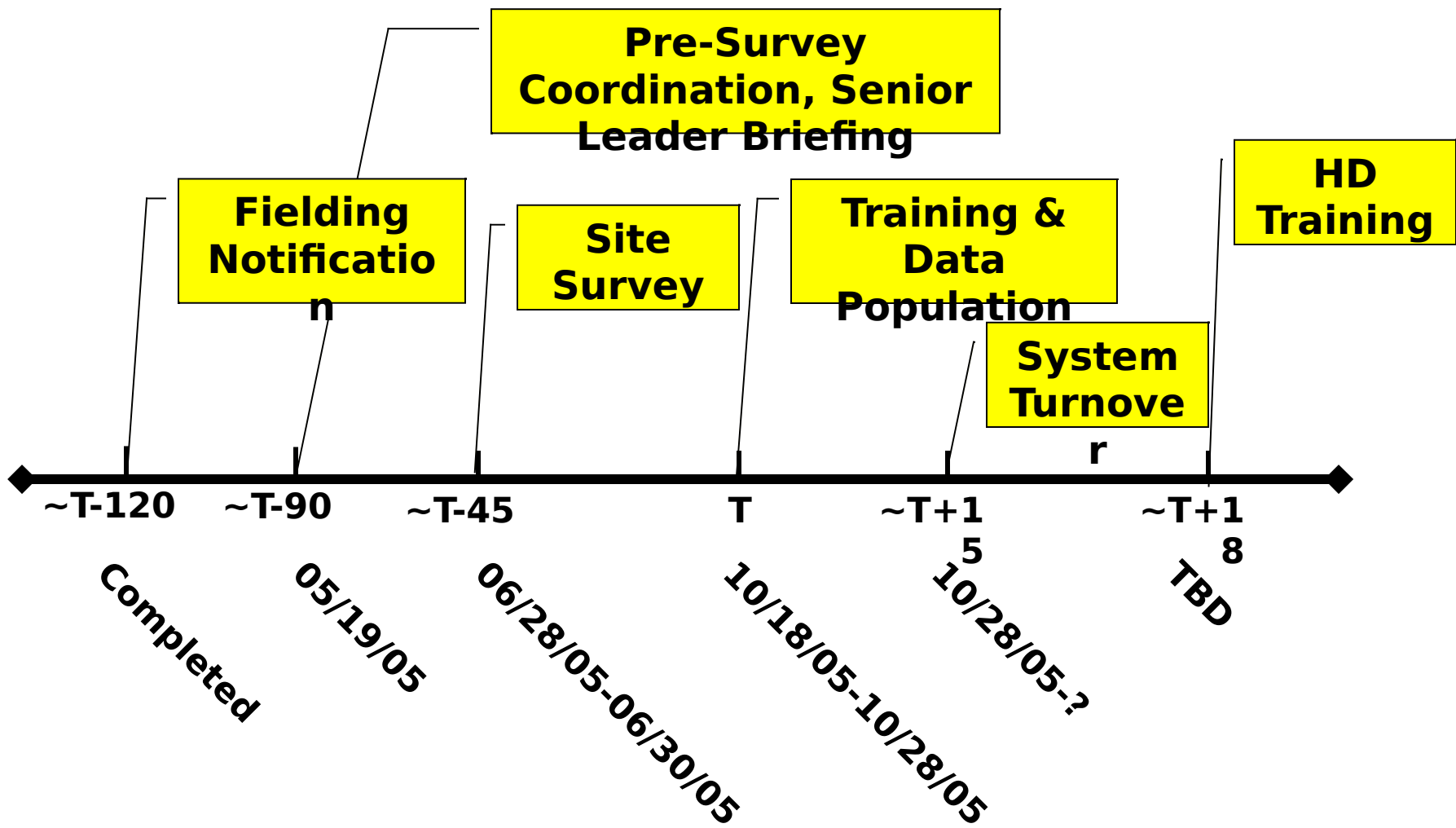
➔ Unit Roles:

- Learning Approver
- Unit Training Manager

➔ System Administrator Enterprise Management Center (EMC)



Fort Jackson Fielding Timeline





Preparation Activities for Site Survey



Data Collection (Prior to Training Initiation)

➔ Lists of Active Courseware (Proponency):

- Any current storage or repository.
- Any format or medium.

➔ Sources of Automated Training Data:

- Types of data:
 - Classrooms and other training facilities (e.g., scheduling).
 - Equipment and expendable resources.
 - Soldier skills by MOS/ASI and grade.
- Location of data:
 - Electronic files or DB Extracts.
 - Legacy TRADOC or local training support systems.

➔ Survey team will send data to PMO for analysis

➔ Designate individual as Data Owner for all data



Site Survey



➔ **Three Days: 06/28/05-06/30/05**

➔ **Participants:**

- Three representatives - PMO DLS, TPIO TRADOC, and Fielding Officer.
- Site management and supervisors (e.g., course managers, class managers, facility managers, etc.).
- Selected data owners (role-based users).

➔ **Events:**

- Organizational discussions (concerning existing DB framework).
- Role appointment briefing.
- Automated and manual data collection.
- Fielding MOA (consensus) and signing.



DL Courseware



- ➔ **For courseware that will be hosted on the ALMS, contact Valerie Williams at 757-878-0433 x 281 or valerie.l.williams@us.army.mil; dlstesting@tadlp.army.mil.**
- ➔ **Please contact your Proponent Courseware Manager at ATSC for:**
 - Content on the ILMS or the RDL Servers.
 - New courseware currently going through the ATSC testing process that will be hosted on the ALMS.
- ➔ **Site will request ATSC provide DLS with all courseware that resides on ASPEN or RDL servers NLT four weeks prior to the beginning of ALMS training.**
- ➔ **Go to www.dls.army.mil/lms_fielding.html and click on “Site Courseware List” for your courseware listing for your Site.**



Training & Data Population



➔ **Two Weeks: 10/18/05-10/28/05**

➔ **Participants:**

- Representatives from DLS (PMO and prime contractor) and TRADOC (TPIO).
- DLS representatives may include up to three training teams with the maximum capability of training 75 role-based users in three separate classroom simultaneously (with a classroom capacity of 25 seats).
- Site management and supervisors.
- All role-based users (training data owners).
- Army Training Help Desk Representative (ATSC).



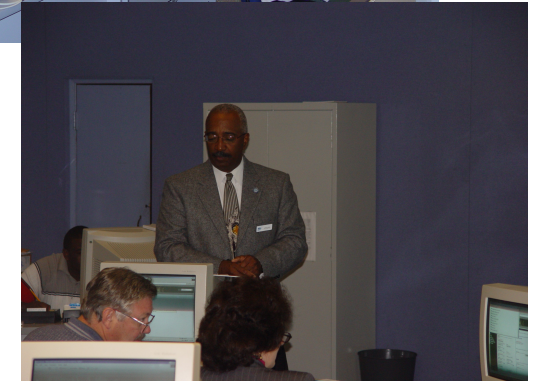


➔ Events:

- Introduction and orientation briefs (½ day).
- Role-based User training (4 ½ days - “Week 1”).
- Data entry by organization with fielding team assistance (5 days - “Week 2”).

➔ Organizational Data Entry until completed.

➔ Army Training Help Desk (ATHD) training will occur the week following ALMS training.





High Level Fielding Schedule



Day 1

Day 2

Day 3

Day 4

Day 5

A.M	Travel Day	All (Room Size that will fit all)	CoM	CoM / CM	CoM / CM / I
P.M		RM	CoM	CoM / CM	AAR

Day 6

Day 7

Day 8

Day 9

Day 10

A.M	Data Entry	Data Entry	Data Entry	Data Entry	AAR
P.M	Data Entry	Data Entry	Data Entry	Data Entry	Data Entry

CoM = Course Manager / Could Be: POI Personnel, Course Developer

CM = Classroom Manager / Could Be: Operation Sgt, SGL

RM = Resource Manager

I = Instructor

UTM = Unit Training Manager / Could Be: Operation Sgt, Training NCO

LA = Learning Approval / Could Be: Cmd's, or any one appointed to approve Learner's Training

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➔ **TRADOC has tasked ATSC with providing customer assistance for Army Training.**

- Individual sites will determine and provide the staffing for their component of the ATHD.
- Staffing requirements at proponent organizations are site specific.
- Site specificity is based upon the size of the proponent organization, the availability of courses, and the anticipated customer base.



ATHD Composition



➔ **The Army Training Help Desk (ATHD) is made up of three functional components:**

- Distributed Learning System (DLS)
- Army Training Support Center (ATSC)
- Proponent (School)

➔ **These organizations are accessed by the Soldier or civilian through a single portal: ATSC's Help Desk at ASK-ATSC.**

- 1-800-ASK-ATSC
- <https://ask-atsc.atsc.army.mil>



ATHD Responsibilities



ATSC	DLS	Proponent
<p>ATIS related</p> <ul style="list-style-type: none"> Training Development Training Resources Collective Training Legacy Systems Army & TASS TRADOC Policy CRXXI Regulations & Publications DL Contracts 	<p>DTFrelated</p> <ul style="list-style-type: none"> Facilities Network VTT <p>ALMSrelated</p> <ul style="list-style-type: none"> Access Functions Sys/Admin 	<ul style="list-style-type: none"> Courseware Content Usability Proponent Doctrine Resident Issues eMentorHelp Subject Research



ATHD Training



➔ **Two Days:** TBD

➔ **Participants:**

- Army Training Help Desk Representative (ATSC).
- Help Desk representative from units (management and agent).

➔ **Events:**

- Common training in morning and Instructor receives training in even (day 1).
- Manager and agents receive training (day 2).



Memorandum of Agreement



PM Distributed Learning System will...

➔ Provide personnel and materials

- To train designated users in ALMS processes, procedures, and techniques used to support their applicable Army Training Tasks.
- For two weeks on-site.

➔ Provide continuous access to:

- On-line references and training materials.
- 24 X 7 Help Desk support for the ALMS.



Memorandum of Agreement



Receiving Organization will...

- ➔ Provide site POC for coordination.**
- ➔ Provide role-based users to participate in ALMS training and perform duties as data owner.**
- ➔ Provide logistics support to training team.**
- ➔ Provide facilities to support training and fielding.**
 - Auditorium (1/2 day - Day 1).
 - Classroom(s) with individual networked PCs sufficient to support role-based user access to ALMS.



Memorandum of Agreement



Receiving Organization will...

➔ Ensure - two weeks prior to training:

- That all students log into the ALMS in order for management to be able to request role appointments.
 - Management must request, from the DLS Help Desk, a role appointment for each student who will receive the ALMS training.
- Site POC sends a listing to the ALMS Fielding Officer with students' AKO user names, their role appointment, their organization, designated Domain, and Approving Authority.



Leave Behind Materials



- ➔ **Data Population Plan**
- ➔ **Guide to Data Collection**
- ➔ **Courseware Listing Template**
- ➔ **List of ALMS Roles and their Descriptions**
- ➔ **ALMS Fielding Presentation**
- ➔ **Materiel Fielding Plan**
- ➔ **ALMS Training Standard Operating Procedures (SOP)**
- ➔ **Draft MOA**
- ➔ **Proposed Schedule**
- ➔ **Fielding Checklist**



Points of Contacts



➔ PMO DLS:

- Fielding/Training: MAJ Boston, COMM: 757-369-2904/ 757-753-8193; E-mail: Antonio.Boston@us.army.mil
- Data and Site Survey: Steve Eldred, COMM: 757-369-2891; Email: steve.eldred@us.army.mil
- Courseware: Valerie Williams, COMM: 757-878-1527 ext. 281, Email: valerie.williams@us.army.mil

➔ TPIO TRADOC:

- MAJ Steven Hopingardner, COMM: 757-788-3141; E-mail: Hopingardnerst@monroe.army.mil

➔ Help Desk:

- ATSC: Karen Barrington, COMM 1-800-ASK-ATSC; karen.barrington@us.army.mil



Questions?

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